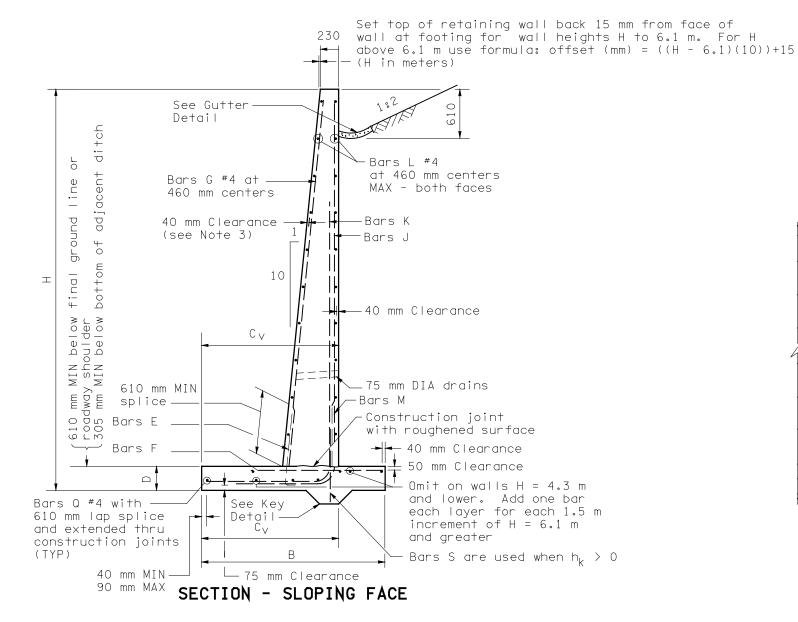


GUTTER DETAIL



— Provide 7.3 m MIN vertical curve at all angle (or break) points in top of wall profile -40 mm Clearance MIN 165 mm Clearance MAX 75 mm (TYP) -Bars J (TYP) only for H < 6.4 m -Bars K (TYP) 15 mm Premolded joint filler in expansion joints at 7.32 m centers Bars M (TYP) only for H < 6.4 m L75 mm Drains at Construction joints in about 3.7 m centers footing at 36.6 m center MAX and 150 mm above

KEY DETAIL

ELEVATION

final grade line at

front face of wall

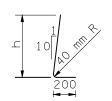
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST. 10/99 Added note 5. DATE REVISION

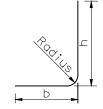
NOTES

- 1. All concrete shall be Class 28 except as noted.
- 2. For backfill requirements, see Standard Plan "D-4".
- 3. When Wall Type 4-SW (saltwater) is specified, the concrete cover over steel in the front face and the total wall thickness shall be increased by
- 4. When Wall Type 4-SW (saltwater) is specified, concrete in the table column "Material Quantity" shall be increased by $0.0254 \times H m_3/m$.
- 5. Concrete in the 7.3 meter wall sections shall be placed separately between expansion joints with a minimum 12 hour period between concrete placement.

Bar	MIN Splice (mm)
#4	610
#5	610
#6	640
#7	890
#8	1140
#9	1450
#10	1850

Radius (mm)
230
250
330
380
460
510





BAR E

BARS K AND M

At 460 mm centers

WALL DESIGN WITH SLOPING FRONT FACE AND 1:2 BACKSLOPE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED



EXPIRES JUNE 29, 2000

REINFORCED CONCRETE **RETAINING WALL** TYPE 4 AND 4 SW STANDARD PLAN D-1d

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Clifford E. Mansfield

10/06/99 DEPUTY STATE DESIGN ENGINEER

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION OLYMPIA, WASHINGTON